

Chapter 11 Outline

Objective #1: Describe the important components and major functions of blood:

Composition of Blood:

General information:

Plasma:

Formed elements:

Red Blood Cells:

White Blood Cells:

Platelets:

Whole Blood:

Fractionated:

Functions of Blood:

1.

2.

3.

4.

5.

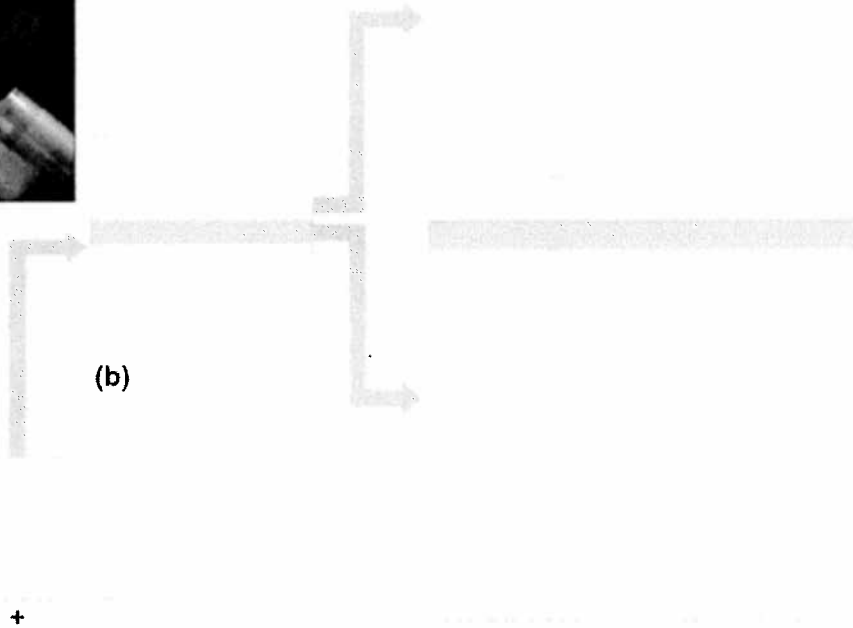
Objective #2: Discuss the composition and functions of plasma:

General information:

Composition of Plasma:



(a)



Functions of Plasma:

Objective #3: Describe the origins and production of the formed elements in blood.

Red Blood Cells:
Origin:

Production:

White Blood Cells:
Origin:

Production:

Platelets:
Origin:

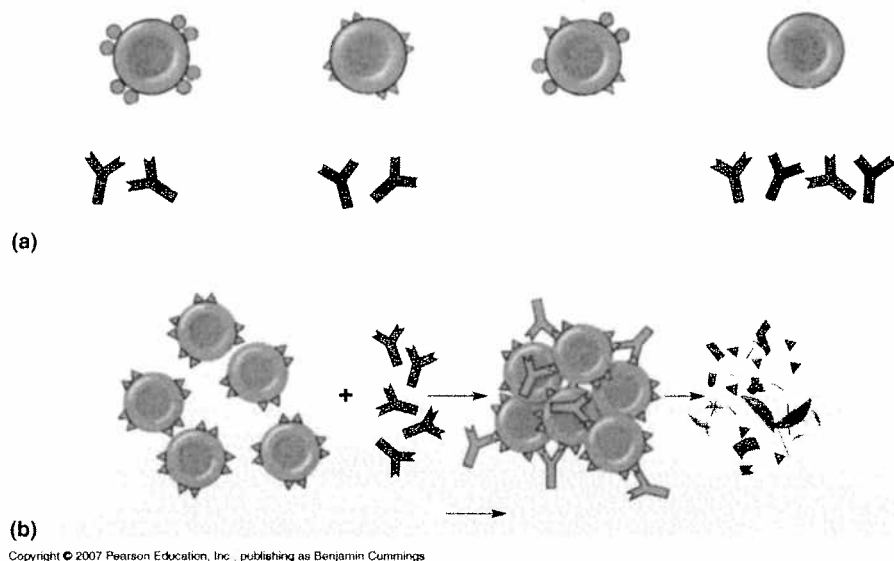
Production:

Objective #4: Discuss the characteristics and functions of red blood cells.

RBC function:

RBC characteristics:

Objective #5: Explain the factors that determine a person's blood type, and why blood types are important.



Why are blood types important?

Objective #6: Categorize the various white blood cells on the basis of their structures and functions.

Neutrophils:

Structure:

Functions:

Eosinophils:

Structure:

Functions:

Basophils:

Structure:

Functions:

Monocytes:
Structure:

Functions:

Lymphocytes:
Structure:

Functions:

Objective #7: Describe the mechanisms that reduce blood loss after an injury.

Hemostasis: